

# NGDA Theme Community Meeting

May 6, 2021 1:00 – 2:30 PM ET



## Agenda

- Welcome and Roll Call
- GDA Reporting, Status & Timeline
- GDA Report to Congress
  - CA & LCA Summary Reports
  - NGAC Review and Comment Process
  - Next Steps
- Final Lead Covered Agency (LCA) Theme Reports
  - LCA Reports and Dashboard
  - Discussion: Improved reporting options with survey-based approach
- New Public Dashboards
  - Executive Dashboard ... for the NGDA Portfolio
  - Summary Statistics: Tracking NGDAs for Implementation of Standards
  - GDA CA (and LCA) Report Dashboard
- NGDA Inventory & POC Updates
- David Carter, DOI GIO Update on the GeoPlatform
- Open Discussion



# Roll Call

Theme	Name	Agency	Theme	Name	Agency
Address	Matt Zimolzak	Census Bureau	Governmental Units	Dierdre Bevington- Attardi	Census Bureau
Address	Steve Lewis	DOT	International Boundaries	Lee Schwartz	DOS
Biodiversity and			Imagery	Greg Snyder	USGS
Ecosystems	Marcia McNiff	USGS	Imagery	John Mootz, Retired: TBD	USDA
Cadastre	Dominica VanKoten	BLM	Land Use - Land Cover	Jim Ellenwood	USFS
Climate and	Kari Sheets	NOAA	Land Use - Land Cover	Brad Reed	USGS
Weather Cultural			Real Property	Valerie Butler	GSA
Resources	Deidre McCarthy	NPS	Soils	Drew Kinney	USDA
Elevation	Ashley Chappell	NOAA	Transportation	Derald Dudley	DOT
Elevation	Sue Buto	USGS	Utilities - Offshore	Jeff Harris	BSEE
			Utilities - Terrestrial	TBD	
Geodetic Control	Daniel Roman	NOAA	Water - Inland	Megan Lang	FWS
Geology	Paul Godfriaux	BOEM	Water - Inland	Becci Anderson	USGS
Geology	Dave Soller	USGS	Water - Oceans and Coasts	Patrick Keown	NOAA





# GDA Reporting Status & Timeline



## **GDA Reporting Status**

- Covered Agency and Lead Covered Agency FY 2020 Annual Reports and Dashboards completed and posted on FGDC website:
  - o https://www.fgdc.gov/gda/gda-reports/
- Draft FGDC Summary Report (CA & LCA Annual Reports)
   submitted to the NGAC for review and comment
- NGAC Comments approved at April NGAC Meeting
- Summary report & NGAC comments will be included in GDA
   Report to Congress (RTC) Phase 2 Report
  - Draft RTC Phase 2 Report will be provided for FGDC agency review in May 2021
  - Scheduled to be submitted to Congress by June 2021



#### REVISED GDA REPORTING TIMELINE - APPROVED BY FGDC STEERING COMMITTEE 12-11-2020

	Covered Agency Annual R	eport Timeline	Appr	oved Time	eline
Deliverable	Activity	Actions	Timeframe	Start Date (Monday)	Due Date (Friday)
Agency Geospatial Strategies	Develop Geospatial Strategies in support of NSDI Strategic Plan	Agencies draft strategies with the FGDC template as a resource. [Proposed timeline includes finalize, approve and publish.]			26-Feb
	Finalize Approval of CA Template	Approval by Steering Committee			6-Nov
CA Template and Draft	Develop Survey/Distribute to Agencies	Generate Survey 123 from Template; Establish Accounts for SAOGI and Agency POCs; Test Survey	10 weeks	9-Nov	15-Jan
Agency Reports	Open Survey123 to Agencies	Agencies will generate reports by using Survey123 Template.	5 weeks	18-Jan	19-Feb
	Draft CA Report Generated	FGDC OS generates final draft CA Report from survey output. Provide to agencies.	2 weeks	22-Feb	5-Mar
	Agencies approve Final CA Report	Agencies review draft CA Report and notify FGDC of final acceptance	2 weeks	8-Mar	19-Mar
	FGDC OS Generates Summary Report	FGDC OS generates the CA Reports Summary Report	2 weeks	22-Mar	2-Apr
CA Summary Reports	NGAC / FGDC Review and Comment	FGDC OS: Distribute Summary Report to SC & NGAC. NGAC: Comments due from NGAC	3 weeks	5-Apr	23-Apr
	Process	FGDC (if requested) and Agencies Respond to NGAC Comments	2 weeks	26-Apr	7-May
RTC Phase 2	Finalize RTC Phase 2	FGDC OS Incorporates Summary Reports and Comments into RTC Phase 2, FGDC OS finalizes RTC Phase 2 Draft	3 weeks	10-May	28-May
Kre r nase 2		Final approval of RTC by the Steering Committee FGDC OS Finalizes RTC Phase 2	2 weeks 2.5 weeks	31-May 14-Jun	

#### REVISED GDA REPORTING TIMELINE - APPROVED BY FGDC STEERING COMMITTEE

REVISED GDA REPORTING TIMELINE - APPROVED BY FGDC STEERING COMMITTEE 12-11-2020						
	Lead Covered Agency Annua	Report Timeline	Approved Timeline			
Deliverable	Activity	Actions	Timeframe	Start Date (Monday)	Due Date (Friday)	
	NGDA Baseline Standard Inventory  Completion					
LCA Template	Theme Lead Approval of Draft Template	LCA Report TemplateReview by Theme Leads FGDC OS Adjudicate Comments from Theme Leads	4 weeks	23-Nov 21-Dec		
	SC Approval of Draft Template	Approval of template by Steering Committee	2 weeks	11-Jan		
Draft Agency Reports	Complete Draft LCA Report. Theme Leads Populate Template for 18 Theme Reports. Agencies Approve.	Portfolio Team Populates Template Theme Leads Populate LCA Report. Obtain Agency review. Submit to FGDC OS	2 weeks 6 weeks	25-Jan 8-Feb		
	FGDC OS Generates Summary Report	FGDC OS generates a summary report of LCA Draft Reports	2 weeks	22-Mar	2-Apr	

**NGAC Comments** 

RTC Phase 2 Draft

NGAC / FGDC Review and Comment | NGAC. NGAC: Comments due from NGAC

**Process** 

**Finalize RTC Phase 2** 

**LCA Summary Reports** 

**RTC Phase 2** 

FGDC OS: Distribute Summary Report to SC &

FGDC (if requested) and Agencies Respond to

FGDC OS Incorporates Summary Reports and Comments into RTC Phase 2, FGDC OS finalizes

Final approval by the Steering Committee

FGDC OS Finalizes RTC Phase 2

3 weeks

2 weeks

3 weeks

2 weeks

2.5 weeks

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23-Apr

7-May

28-May

11-Jun

30-Jun

5-Apr

26-Apr

10-May

31-May

14-Jun

## GDA Summary Report

#### What the law says (Sec. 753(c)(10)(A) and (B)):

Based on the LCA and CA Annual Reports, make available online and update at least annually—

- (A) a summary of the status for each NGDA data theme, based on the annual report which shall include—
  - (i) an evaluation of the progress of each lead covered agency in achieving the requirements ...; and
  - (ii) a determination of whether, ..., each lead covered agency meets expectations, has made progress toward expectations, or fails to meet expectations;
- (B) a summary and evaluation of the achievements of each covered agency,..., which shall include a determination of whether the covered agency meets expectations, has made progress toward expectations, or fails to meet expectations ...

#### **NGAC** Review (Sec. 753(c)(11)(A)):

• "Make available to and request comments from the Advisory Committee regarding the summaries and evaluations required under subparagraphs (A) and (B) of paragraph (10)"



# 2020 GDA Annual Report Summary

# Overview of Paper



## Draft FGDC Summary of CA & LCA Annual Reports

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# FGDC Summary Report Includes:

#### **Summary of Covered Agency Evaluations**

	GDA 43 U.S.C. § 2808 (a)(1) - (13) Covered Agency															
Requirement	USDA	DOC	ED	DOE	HHS	DHS	HUD	DOI	DOJ	DOL	DOS	DOT	TREAS	VA	GSA	NASA
(1) Covered Agency Geospatial Strategies	М	Р	М	М	Р	Р	Р	м	М	Р	Р	Р	Р	м	Р	Р
(2) Support Data Sharing	P	М	м	Р	М	Р	М	Р	М	Р	Р	Р	М	М	М	P
(3) Promote Data Integration	P	М	м	Р	М	Р	М	М	М	Р	М	М	М	Р	М	М
(4) Ensure Records Retention Schedule for Geospatial Data	Р	м	Р	Р	м	P	F	P	м	м	м	Р	м	Р	м	Р
(5) Allocate Resources for Geospatial Data Management Responsibilities	Р	м	P	P	Р	P	Р	P	м	Р	Р	м	М	м	Р	м
(6) Use Data Standards	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р	М
(7) Support Coordination and Partnerships	Р	М	М	Р	м	P	М	P	м	Р	Р	М	м	м	Р	Р
(8) Promote Application of Geospatial Data Assets	P	м	м	P	Р	Р	м	Р	м	Р	P	P	Р	м	м	Р
(9) Protection of Privacy and Confidentiality	Р	м	м	м	м	Р	м	Р	м	м	Р	Р	м	м	м	М
(10) Declassified Data	М	М	М	F	М	F	М	М	F	М	F	М	М	М	М	М
(11) Non-Duplication of Data	Р	м	м	Р	м	Р	М	Р	Р	м	Р	Р	м	м	М	М
(12) Ensuring High- Quality Data	Р	М	М	М	м	Р	М	м	М	М	Р	м	м	Р	м	М
(13) Point of Contact	м	М	М	М	М	м	М	м	м	М	М	М	М	М	М	М
										Key:	M	ets Exo	ectations			
										P			ress Towa	rds Ex	pectatio	ns
										F			et Expect			

16 Covered Agencies reporting on 13 GDA requirements

# Summary of Lead Covered Agency NGDA Data Theme Evaluations

	GDA 43 U.S.C. § 2805 (b)(3) (A) - (D) Requirements						
Theme & No. of NGDA (169)	(A) Geospatial Data Standards	(B) Nationwide Population of the Data Theme	(C) Establish Actions That Support the Goals and Objectives in NSDI Strategic Plan	(D) Addressing User Needs			
Address (0)	P	P	P	P			
Biodiversity and Ecosystems (7)	Р	Р	P	Р			
Cadastre (18)	Р	P	P	P			
Climate and Weather (4)	Р	P	P	P			
Cultural Resources (2)	Р	P	P	F			
Elevation (12)	Р	P	P	P			
Geodetic Control (4)	Р	P	P	P			
Geology (6)	Р	P	P	P			
Governmental Units, and Administrative and Statistical Boundaries (37)	P	P	P	P			
Imagery (8)	P	P	P	P			
International Boundaries (1)	м	Р	м	Р			
Land Use – Land Cover (13)	М	М	P	P			
Real Property (14)	Р	P	P	P			
Soils (5)	Р	P	P	P			
Transportation (15)	Р	Р	М	M			
Utilities (2)	Р	Р	P	P			
Water – Inland (5)	Р	Р	P	P			
Water – Oceans & Coasts (16)	P	Р	P	Р			
			Key:  M Meets Ex	pectations			

18 NGDA Data Themes (including 169 underlying datasets) reporting on 4 GDA requirements



## FGDC Summary Report

#### Includes links to:

# Detailed Covered Agency Evaluations



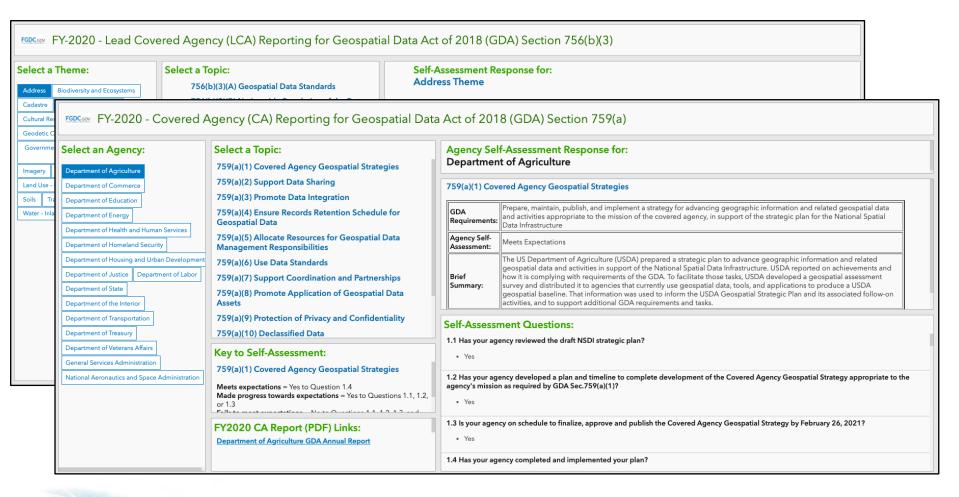
# **Detailed Lead Covered Agency NGDA Data Theme Evaluations**





# FGDC Summary Report

#### Includes links to Covered Agency & Lead Covered Agency Dashboards:





Let's have a look at the Dashboards

## NGAC GDA Reporting Subcommittee

#### Membership:

 Doug Adams (Chair), Chad Baker, Tony LaVoi, Cy Smith, Tim Trainor

#### Role:

- Work with FGDC OS staff & NGAC leadership to plan and coordinate NGAC's submission of comments as part of the GDA reporting process
- Identify areas of focus for NGAC review and assess the utility of the reports
- Collect/synthesize NGAC's comments on the GDA reports
- Document and communicate lessons learned and recommendations for improving the process for future reports



## NGAC Comments on FY 2020 GDA Annual Report Summary

Overview of Paper

<u>Note</u> – final NGAC comments paper posted at:

https://www.fgdc.gov/ngac/meetings/april-2021/ngac-comments-on-fy-2020-fgdc-summary-of-gda.pdf



## GDA Reports - NGAC Review & Comment

Focus areas for NGAC comments on GDA Report Summary:

#### 1. Positive elements

- What was successful in the initial GDA report summary?

#### 2. Areas needing improvement

- What areas need improvement?

#### 3. Recommendations for future reports

- What can FGDC do to improve future versions of the GDA annual report summaries?

NGAC members provided high-level comments, under the 3 focus areas above, to the GDA Reporting Subcommittee



### **Positive Elements**

- Common Survey Instrument
  - The use of Survey123 via the GeoPlatform for agency selfreporting allowed consistent reporting.
  - Survey methodology provided a baseline for status of data assets.
- Self-Assessment Rating Criteria
  - Simple rating criteria provided in the FGDC summary report provided structure and clarity,
- GDA Baseline Information
  - Info in inaugural report provided useful baseline information which will contribute to future reporting, planning and decision making.
  - Information builds upon previous reporting, such as the 2015 NGDA Lifecycle Maturity Assessment.



## **Areas Needing Improvement**

- Self Assessment Approach
  - Allows for variable differences in how agencies selfreported their maturity level toward meeting expectations. Need less ambiguity in future selfassessments.
- Table Formatting/Consistency
  - Some tables presented null values without explanation.



## Recommendations for Future Reports

- Capacity Burdens
  - Future reports may provide an opportunity to address resource and budgetary needs to meet the requirements of the GDA.
- Reporting Agencies
  - Some agencies with significant geospatial responsibilities were not identified as covered agencies or lead covered agencies in the GDA. Congress may consider designating additional agencies as covered agencies.
- Stakeholder Engagement
  - Agencies should solicit feedback from data consumers to gain insight on where improvements can be realized.
  - Future reporting provides an opportunity to reconcile federal datasets with those produced from State, Local, Tribal, and Territorial (SLTT) partners



## Recommendations for Future Reports (Continued)

- Survey Instrument
  - Reduce the number of questions that are multi-part questions.
  - terms used in the survey questions may lead to vague answers: promote, reviewed, etc. Definitions should be provided if used.
- Future Results and Visualizations
  - Include recommendations for improvements and new/revised plans to meet future national geospatial requirements.
  - Continue using dashboards to present future reports.
- Self-Assessment Measures
  - FGDC should consider adding more granularity on the "Making Progress" category for less ambiguity while maintaining the 3-level construct embedded in the law.



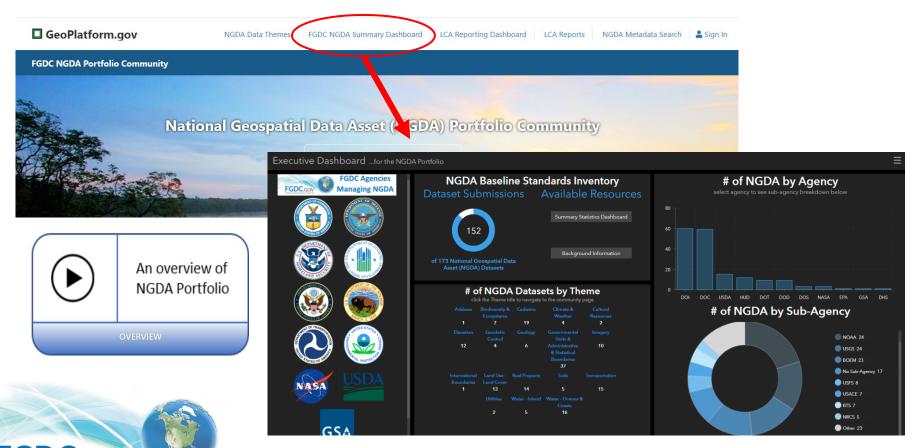
## GDA Report to Congress Phase 2 – Next Steps

- FGDC staff developing outline and initial draft of RTC Phase 2 Report
- Updated timeline and approach will be provided to FGDC Steering Committee & working groups
- FGDC staff coordinating with FGDC Chair/DOI/OMB on final approval & transmittal process



## New Public Dashboards

Executive Dashboard ... for the NGDA Portfolio linked on the GeoPlatform NGDA Portfolio Community page



## **New Public Dashboards**

Summary Statistics: Tracking NGDAs for Implementation of Standards Dashboard linked on the NGDA Baseline Standards Inventory QuickLinks page

☐ GeoPlatform.gov

NGDA Data Themes

FGDC NGDA Summary Dashboard

LCA Reporting Dashboard

LCA Reports

NGDA Metadata Search

🚨 Sign I

**NGDA Baseline Standards Inventory** 

HOME > NGDA BASELINE STANDARDS INVENTORY

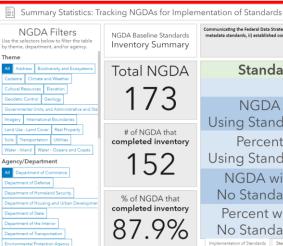
#### **NGDA Baseline Standards Inventory**

#### Quicklinks:

- NGDA Baseline Standards Inventory Dashboard
- Reports (pending)
- Accessing the NGDA Baseline Standards Inventory

#### **Background**

The purpose of the NGDA Baseline Standards Inventory is to build a baseline inventor National Geospatial Data Assets (NGDA). This inventory will assist in meeting particles and Data Strategy 2020 Action Plan[2] for Action 10, and Foundations for baseline inventory furthers the Presidents Management Agenda[4] goal of "data, tools to deliver visibly better results to the public and hold agencies accountable...



s y	Communicating the Federal Data Strategy 2020 Action Plan - Action 10 Milestone: Track NGDAs for Implementation of Standards. Counts and percentages of those using metadata standards, (ii) established content standards, and v) no established standards. This inventory will be used as part of the assessment of existing standards for compilance with the Geospatial Data Act of 2018.						
١	Standards Re	eported for 152 of	173 NGDA				
		Metadata Standards	Data Standards				
	NGDA Using Standards	148	127				
у	Percent Using Standards	97.4%	83.6%				
	NGDA with No Standards	4	25				
y )	Percent with No Standards	2.6%	16.4%				
	Implementation of Standards Standards Categories						

The NGDA Baseline Standards Inventory will facilitate the assessment of existing standards, schema, and classifications necessary to meet the Geospatial Data Act (GDA) requirement to establish geospatial data standards for each NGDA data theme. Specifically, the inventory addresses responsibilities for Lead Covered Agencies Section 756(b)(3)(i) – "assessing existing standards" and will be used as part of 756(b)(3)(ii-iii) "identifying anticipated or needed data standards and developing a plan to originate and implement needed standards with relevant community and international practices." It also addresses Covered Agencies Section 759(a)(6) – "use the

## **New Public Dashboards**

1.1, 1.2, or 1.3

FY2020 CA Report (PDF) Links: Department of Agriculture GDA Annual Report

- Final CA reports are also posted on the FGDC GDA page: https://www.fgdc.gov/gda under Resources > GDA Reports
  - The Covered Agency Annual Report Dashboard also contains links back to each individual Agency report

FY-2020 - Covered Agency (CA) Reporting for Geospatial Data Act of 2018 (GDA) Section 759(a) Select an Agency: Select a Topic: Agency Self-Assessment Response for: Department of Agriculture 759(a)(1) Covered Agency Geospatial Strategies Department of Agriculture 759(a)(2) Support Data Sharing 759(a)(1) Covered Agency Geospatial Strategies Department of Commerce 759(a)(3) Promote Data Integration Department of Education Prepare, maintain, publish, and implement a strategy for advancing geographic information and related geospatia GDA 759(a)(4) Ensure Records Retention Schedule for and activities appropriate to the mission of the covered agency, in support of the strategic plan for the National Sp Department of Energy Requirements: Geospatial Data Data Infrastructure Department of Health and Human Services 759(a)(5) Allocate Resources for Geospatial Data Agency Self-Meets Expectations Assessment: Department of Homeland Security Management Responsibilities The US Department of Agriculture (USDA) prepared a strategic plan to advance geographic information and relati Department of Housing and Urban Developmen 759(a)(6) Use Data Standards geospatial data and activities in support of the National Spatial Data Infrastructure. USDA reported on achievemen how it is complying with requirements of the GDA. To facilitate those tasks, USDA developed a geospatial assessm Brief Department of Justice 759(a)(7) Support Coordination and Partnerships Summary: survey and distributed it to agencies that currently use geospatial data, tools, and applications to produce a USDA Department of State geospatial baseline. That information was used to inform the USDA Geospatial Strategic Plan and its associated fo 759(a)(8) Promote Application of Geospatial Data activities, and to support additional GDA requirements and tasks. Assets Department of the Interior Self-Assessment Questions: 759(a)(9) Protection of Privacy and Confidentiality Department of Transportation Department of Treasury 1.1 Has your agency reviewed the draft NSDI strategic plan? **Key to Self-Assessment:** Department of Veterans Affairs Yes 759(a)(1) Covered Agency Geospatial Strategies General Services Administration 1.2 Has your agency developed a plan and timeline to complete development of the Covered Agency Geospatial Strategy National Aeronautics and Space Administration Meets expectations = Yes to Question 1.4 appropriate to the agency's mission as required by GDA Sec.759(a)(1)? Made progress towards expectations = Yes to Questions Yes

1.3 Is your agency on schedule to finalize, approve and publish the Covered Agency Geospatial Strategy by February 26, 2021?

# NGDA Inventory & POC Updates

#### **Theme Executive Champion Changes**

NGDA Theme	New Theme Executive Champion	Previous Exec. Champion
Climate and Weather	Tony LaVoi, DOC-NOAA	Tom Karl (retired)
Elevation	Rear Adm. Richard T Brennan (Co-Champion)	Rear Adm. Shepard Smith
Imagery	Ron Sequeira, USDA GIO (Co-Champion)	Shirley Hall (Acting)
Land Use – Land Cover	Ron Sequeira, USDA GIO	Everett Hinkley
Soils	Ron Sequeira, USDA GIO	Everett Hinkley
Water – Oceans & Coasts	Tony LaVoi, DOC-NOAA	Zach Goldstein (Fmr. Co-Champion)



# NGDA Inventory & POC Updates (cont.)

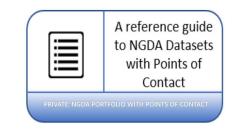
#### **Theme Lead Changes**

NGDA Theme	New Theme Lead	<b>Previous Theme Lead</b>
Imagery	TBD	John Mootz

#### **Dataset Manager Changes**

NGDA Dataset Name	Theme	New Dataset Manager	<b>Previous Dataset Manager</b>

Please log in to the <u>NGDA Collaboration Community (NCC)</u> to download the latest point of contact list or email <u>NGDATeam@fgdc.gov</u> to request a copy.







## Update on the GeoPlatform

David Carter
Department of the Interior
Geospatial Information Officer



## **2021 Theme Community Meeting Schedule**

#### **❖** Meeting Schedule, Agenda, Slides, and Notes:

https://communities.geoplatform.gov/ngda-portfolio/meetings/

Date	Time (Eastern)
Jan 14 (Thursday)*	1:00 - 2:30 ET
Feb 4 (Thursday)*	1:00 - 2:30 ET
Feb 9 (Tuesday)*	1:00 - 2:30 ET
Mar 4 (Thursday)	1:00 - 2:30 ET
Apr 15 (Thursday)*	1:00 - 2:30 ET
May 6 (Thursday)	1:00 - 2:30 ET
Jun 10 (Thursday)*	1:00 - 2:30 ET
Jun 29 (Tuesday)* <i>- TBD</i>	1:00 - 2:30 ET
Aug 3 (Tuesday) - TBD	1:00 - 2:30 ET
Sep 2 (Thursday)	1:00 - 2:30 ET
Oct 7 (Tuesday)	1:00 - 2:30 ET
Nov 4 (Thursday)	1:00 - 2:30 ET



<sup>\*</sup> Denotes date adjustment due to holiday or other conflict



# Open Discussion

Next Meeting:

Tuesday, June 1, 2021

1:00 PM - 2:30 PM ET